

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 03038588
PUBLICATION DATE : 19-02-91

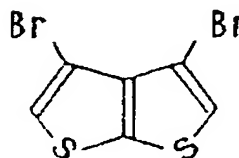
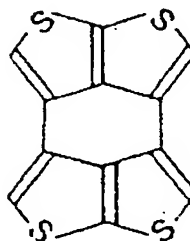
APPLICATION DATE : 03-07-89
APPLICATION NUMBER : 01171721

APPLICANT : DAISO CO LTD;

INVENTOR : MIYAMOTO KYUICHI;

INT.CL. : C07D495/22 C08G 61/12 C09K 3/00

TITLE : THIOPHENE DERIVATIVE, COMPLEX
CONTAINING THE DERIVATIVE AS
COMPONENT AND ITS PRODUCTION



ABSTRACT : NEW MATERIAL:3,4:3',4'-Bithieno[2,3-b]thiophene of formula I.

USE: An electron donor constituting a charge transfer complex. Electrolytic polymerization of the compound gives a polymer having high electrical conductivity.

PREPARATION: The objective compound can be produced by reacting 3,4-dibromobithieno[2,3-b] thiophene with a bis (-triphenylphosphine)nickel (n) II halide [e. g. bis(triphenylphosphine)nickel(II).chloride], zinc and a tetraalkyl ammonium halide (e. g. tetramethyl ammonium chloride) in a solvent (e.g. pentane or benzene) preferably at 20-130° for 0.5-50hr.

COPYRIGHT: (C)1991,JPO&Japio